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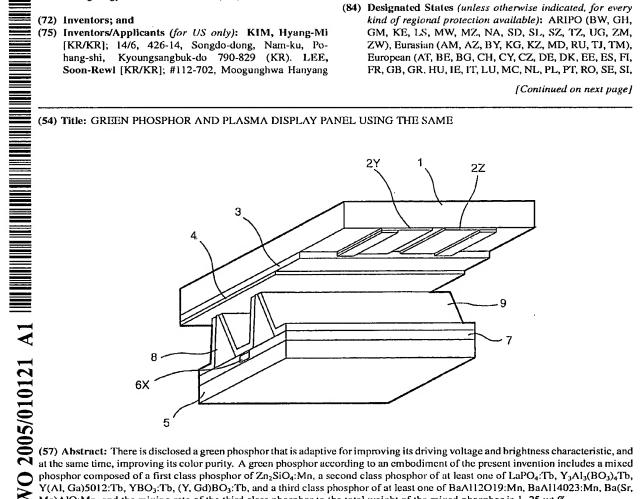
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phosphor composed of a first class phosphor of Zn₂SiO₄:Mn, a second class phosphor of at least one of LaPO₄:Tb, Y₃Λl₃(BO₃)₄Tb, Y(Al, Ga)5012:Tb, YBO3:Tb, (Y, Gd)BO3:Tb, and a third class phosphor of at least one of BaA112O19:Mn, BaA114023:Mn, Ba(Sr, Ma) AlO: Mn, and the mixing rate of the third class phosphor to the total weight of the mixed phosphor is 1~25 wt %.